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## <u>ABSTRACT</u>

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2	A method for achieving high bit densities in a direct-sequence CDMA spread
3	spectrum communication system. A table of orthogonal pseudo-noise codes is stored. This
4	table is then partitioned into multiple codebook. Then, the codebook is assigned to a user. The
5	pseudo-noise code contained within the codebooks are used to spread information signal.
6	Information signal for a first user is spread by a pseudo-noise code contained within the
7	codebook assigned to the first user. Multiple bits of information signal may be sent at a time
8	by using the location of the pseudo-noise code within the codebook such that the value of the
9	information signal corresponds the location of the pseudo-noise code within the codebook.
10	The information signal is then despread by using the same pseudo-noise code.
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